



TRANS TECH CONSULTANTS

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Engineers • Geologists • Planners
License # 697833 (A-Haz)*

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**TRANS TECH CONSULTANTS (TTC)
SITE SAFETY PLAN
Job No. 3057.01
August, 2005**

Project Location: 606 Main Street
Ferndale, California

Job Number: 3057.01

Client: Mr. Phillip Ostler
55 N. Venice Blvd, Suite 503
Venice, CA 90291-4142

Site Description

The western half of the subject property is relatively flat, while the eastern half slopes gently to the east. The site is located approximately 1/8 mile east of Francis Creek, and is bounded on the northeast by a private residence, on the northwest by Main Street, on the southeast by a lumber yard, and on the southwest by Shaw Avenue. The property contains one partially detached structure and two larger continuous buildings which house a variety of small businesses, including the former Fern Cafe.

Field Work

In order to proceed with site closure we propose to abandon the six monitoring wells onsite. The monitoring well locations and general site features are shown on the attached Site Plan, Plate 1. The monitoring well abandonment will be achieved by first removing the metal Christy boxes that protect the well. After the Christy boxes are removed, the wells seal and sand pack will be overdrilled using hollow stem auger equipment. The PVC well casing will then be removed from the hole and the holes will then be tremie grouted with a cement bentonite grout. An attempt will be made to separate the metal Christy boxes, the concrete seals and the PVC casings from the drill cuttings for ordinary disposal. The remainder of the drill cuttings will be stored in 55 gallon DOT approved drums pending disposal. Disposal documentation will be provided to the HCDHS-EHD following disposal. Two 55-gallon drums of purge water also remain onsite and will be disposed of concurrently with the soil. The well abandonment will be performed by Clear Heart Drilling, a C-57 licensed contractor, in accordance with state and local guidelines.

Level of Protection

Equipment to protect the body from contact with chemical hazards has been categorized by the Environmental Protection Agency into levels A, B, C, & D. Level A equipment is used when the highest level of protection is needed; Level D equipment is used when minimum protection is needed. The chemical hazard associated with petroleum hydrocarbons is typically low and Level D protection (see equipment list below) is adequate. In case of high levels of contamination, an upgrade to Level C protection equipment may be advised. Level C and D equipment are listed below.

Level C Equipment

Level C equipment is used when the type of airborne substances is known, concentration measured, criteria for air purifying respirators (APR) is met, and skin and eye exposure is unlikely. The required equipment for this level of protection is an NIOSH/MSHA approved APR, chemical resistant clothing, chemical resistant inner and outer gloves, chemical resistant boots with steel toe and shank, and hard hat.

Level D Equipment

Level D equipment is primarily a work uniform, it should not be used on any site where respirator or skin hazards exist. The required equipment for this level of protection is a dust mask or no respirator protection, eye protection, gloves, coveralls, chemical resistant boots or shoes with steel toe and shank, and hard hat. Tyvex overalls and Solvex or equivalent gloves are recommended. Level D equipment is required for this investigation.

Equipment Required for This Investigation

Level D equipment is required for this investigation. Normal work clothing and safety glasses should be worn for site work. Nitrile gloves, chemical resistant boots or shoes with steel toe and shank, and hard hats are also required. Hearing protection is recommended. Air monitoring will be performed with combustible gas meter during the investigation to determine whether an upgrade to Level C protection is advisable. Loose clothing should be avoided.

Equipment Decontamination

Decontaminate sampling equipment by washing with a phosphate free detergent wash and rinsing with de-ionized water. Rinsate water will be contained and pumped into 55-gallon DOT drums and stored on site pending disposal.



Site Resources

Toilet, drinking water, and telephone facilities are available onsite.

Emergency Equipment

Eyewash, emergency rinse water, first-aid kit, fire extinguisher, and respirators will be carried in company vehicle onsite. Reflective safety vests must be worn when working within the Right-of-Way.

SITE SPECIFIC SAFETY HAZARDS

The site specific safety hazards associated with this investigation include the following:

- 1) Traffic on Main Street
- 2) Slips, trips and falls
- 3) Underground utility hazard when drilling
- 4) Overhead utility hazards
- 5) Hazards associated with heavy equipment used during drilling procedures
- 6) Noise
- 7) Inclement weather (heat, cold, lightning, etc...). If lightning strikes are observed, or are considered to be likely all drilling operators shall cease until the foreman for the drillers and Trans Tech agree to proceed.
- 8) All subconsultants/contractors must have current task specific safety training.

Telephone Numbers

Ambulance:	911 or (707) 445-4907
Police:	911 or (707) 786-4225
Fire Department:	911 or (707) 786-9515
Hospital:	Redwood Memorial Hospital 3300 Renner Drive Fortuna, California 95540 (707) 725-3361
Client contact:	Mr. Phillip Oster (310) 822-2287



Poison control center: (800) 523-2222
(415) 821-8324

Project Manager Lee S. Hurvitz
Office: (707) 575-8622
Cell: (707) 799-9482

Health and Safety Officer Lee S. Hurvitz
Office: (707) 575-8622
Cell: (707) 799-9482

Emergency Route : Map Attached, Plate 2

PROJECT PERSONNEL LIST AND SAFETY PLAN DISTRIBUTION RECORD

TTC Employees:

All project staff must sign, indicating they have read and understand the safety plan. A copy of this safety plan must be made available for their review and readily available at the job site.

<u>Employee Name</u>	<u>Date of H&S Training</u>	<u>Date Distributed</u>	<u>Signature</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____



Health and Safety Meeting:

All personnel participating in the project must receive initial health and safety orientation. Thereafter, a brief tailgate safety meeting is required before beginning work each day.

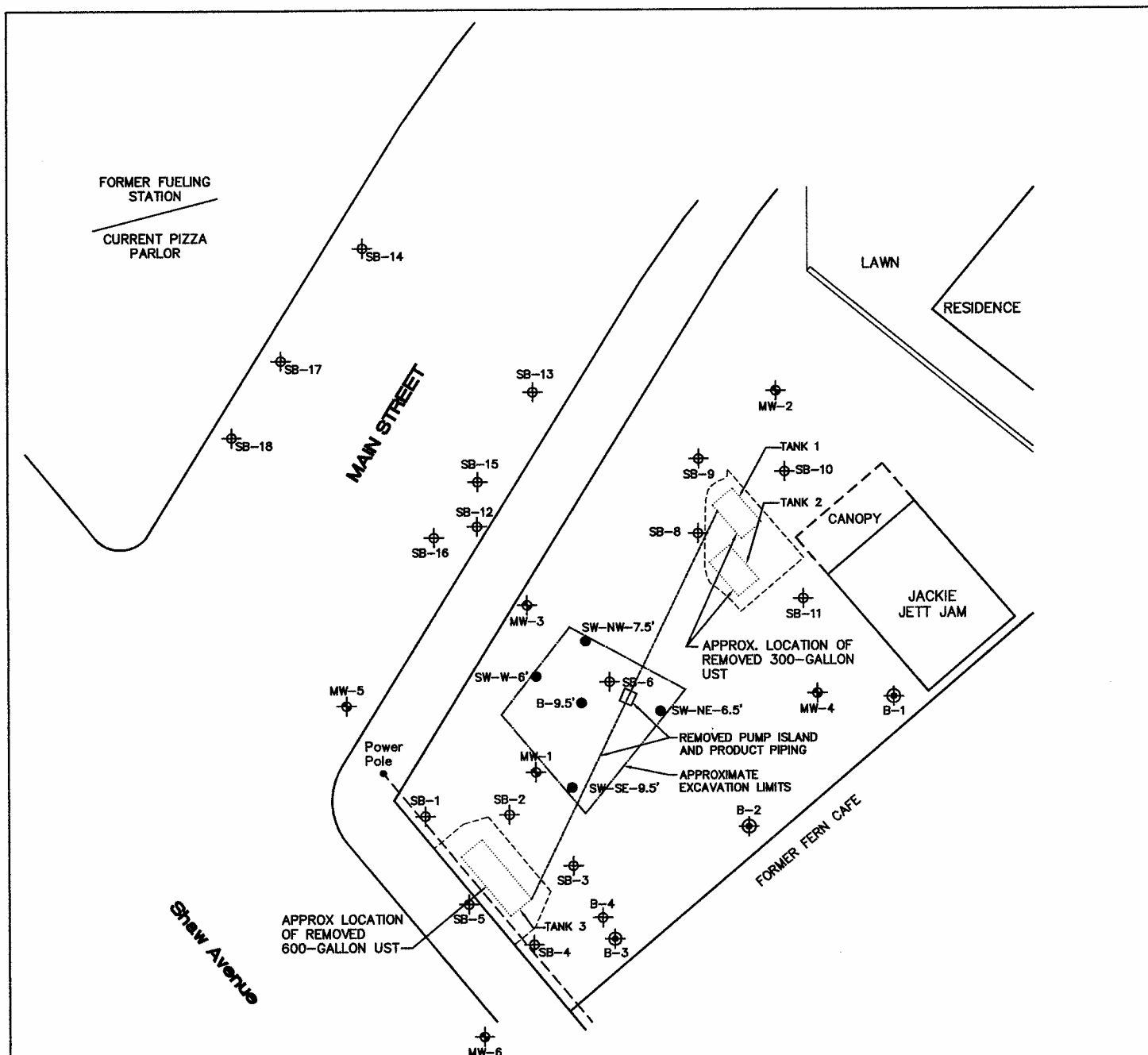
<u>Date</u>	<u>Topics</u>	<u>Attendant</u>	<u>Name of Firm Name</u>	<u>Employee Initials</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

This plan is prepared to inform all field personnel, including TTC contractors and TTC subcontractors, of the potential hazards on the site.

PLAN PREPARED BY: Lee S. Hing 8-4-05
Signature Date

PLAN APPROVED BY: R. C. Webb 8/6/05
Signature Date





LEGEND

- HYDROPUNCH SAMPLING LOCATION
- MONITORING WELL LOCATION
- SOIL SAMPLE LOCATION
- SOIL BORING LOCATION
- PREVIOUS EXCAVATION LIMITS
- NEW EXCAVATION LIMITS



0' 2' 4' 8' 16'
1/16" = 1'



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930 SHILOH RD., BLDG 44, SUITE J
WINDSOR, CA 95492
PHONE: 707-575-8622 FAX: 707-837-7334

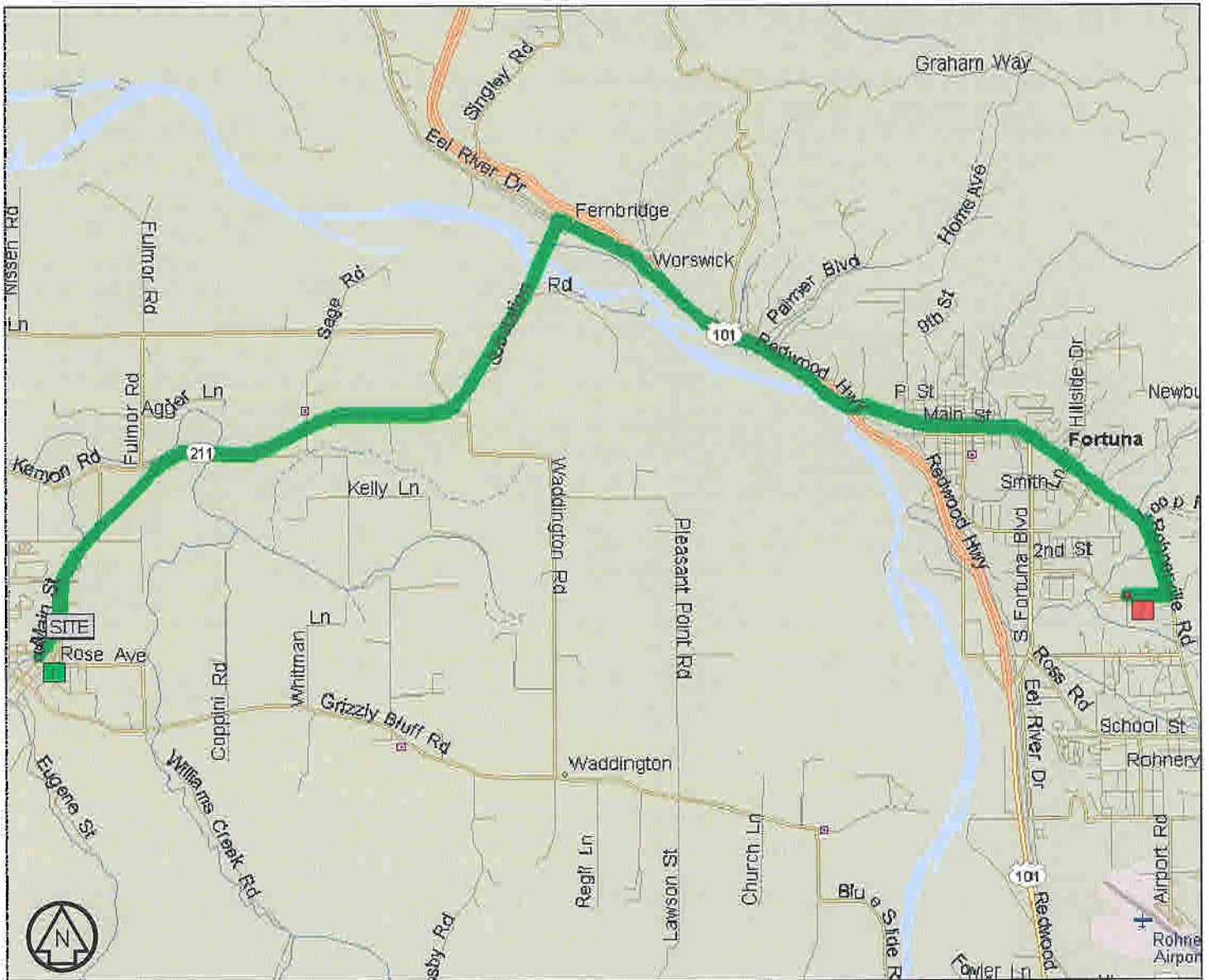
SITE PLAN

FORMER FERN CAFE
606 MAIN STREET
FERNDALE, CALIFORNIA

PLATE:

1

DRAWN BY:	DWG NAME:	APPR. BY:	JOB NUMBER:	W.O. NUMBER:	REVISIONS:	DATE:
PSC	3057.01 SP	LSH	3057.01	A-755		5/23/05



Depart SITE on SR-211 [Main St] (North-East) 5.2 mi
 Turn off onto Ramp 0.2 mi
 Bear RIGHT (South-East) onto US-101 [Redwood Hwy] 1.1 mi
 At US-101 Main St Exit, continue (South-East) on Ramp 0.4 mi
 Bear RIGHT (East) onto Main St 1.1 mi
 Bear LEFT (East) onto Rohnerville Rd 1.3 mi
 Turn RIGHT (West) onto Renner Dr 0.3 mi
 Arrive Redwood Memorial Hospital (3,330 RENNER) (707) 725-3361

Driving distance: 9.6 miles



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HOSPITAL ROUTE MAP

FERN CAFE
 606 MAIN STREET
 FERNDALE, CALIFORNIA

PLATE:
 2

DRAWN BY: PSC	DWG NAME: 3057.01 HR	APPR. BY: LSH	JOB NUMBER: 3057.01.03	W.O. NUMBER: A-818	REVISIONS:	DATE: 8/5/05
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